Index of Claims

| Application/Control No. |
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10/038,941

MASTRONARDE ET AL.

Applicant(s)/Patent under Reexamination

Examiner

Art Unit

Tuan V. Thai

2186

| √ | Rejected |
|---|----------|
|   | Allowed  |

(Through numeral)
Cancelled

Restricted

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O Objected

| CI           | Claim Date |  |  |          | Cla   | im       | Date    |                 |       |       |          |          | Claim                   |              |                     | Date          |                   |              |      |       |            |          |          |                    |   |              |              |                     |          |
|--------------|------------|--|--|----------|---|----------|---------|-----------------|-------|-------|----------|----------|-------------------------|--------------|---------------------|---------------|-------------------|--------------|------|-------|------------|----------|----------|--------------------|---|--------------|--------------|---------------------|----------|
| <u>a</u>     | naf        | 35   |  |          |   |          |         |                 |       | a     | nal      |          |                         |              | П                   |               |                   |              |      |       |            |          |          |                    |   |              |              |                     |          |
| Final        | Original   | 6/7/05   |  |          |   |          |         |                 |       | Final | Original |          |                         |              | $  \  $             | .             |                   |              |      | Final | Original   |          |          | ł                  |   |              |              |                     |          |
| _            | 1          | 1  | +  | $\dashv$ | +   | $\dashv$ | +-      | ${ m H}$        |       |       | 51       | $\vdash$ | +                       | ╁            | $\vdash \vdash$     | _             | +                 | -            |      |       |            | $\dashv$ | $\dashv$ | +                  | +   | +-           | $\vdash$     | Н                   | 4        |
| <u> </u>     | 2          | 1  | +  | $\vdash$ | +   | +        | +       | Н               |       |       | 52       |          | ╁                       | ╁            | $\vdash$            | -             | +                 | :            |      |       | 101<br>102 | $\dashv$ | +        | +                  | ┿   | ╁            | +            | Н                   | $\dashv$ |
| -            | 3          | <del>                                     </del> | +  |          | +   | +        | +-      | $\vdash\vdash$  |       |       | 53       | $\vdash$ | +-                      | ╁            | H                   |               | +                 |              | ŀ    |       | 103        | $\dashv$ | $\dashv$ | +                  | ┿   | ╁            | $\vdash$     | Н                   | $\dashv$ |
| $\vdash$     | 4          | 1  | +  | $\vdash$ | $\dashv$  | +        | +-      | H               |       |       | 54       | $\vdash$ | ╁                       | $\vdash$     | H                   | +             | ╁╌╅               |              | H    |       | 104        | $\dashv$ | $\dashv$ | +                  | +   | +            | ╫            | Н                   | $\dashv$ |
|              | 5          | V  | +-   | -        | 十   | $\dashv$ | +-      | Н               |       |       | 55       | +        | ╅                       | <del> </del> | Н                   | +             | +                 |              | ⊪    |       | 105        | $\dashv$ | $\dashv$ | ╁                  | +   | ╁            | ╆            | Н                   | $\dashv$ |
|              | 6          | 1  | +-   | $\vdash$ | 十   | $\dashv$ | +       | $\Box$          |       |       | 56       | -        | $\top$                  | Т            | $\vdash$            |               | +                 | -            |      |       | 106        | -        | 十        | $\dashv$           | +   | +-           | 十            | Н                   |          |
|              | Ž          | -  | +-   |          | 寸   | $\top$   | $\top$  | Н               |       |       | 57       | $\vdash$ | $\top$                  | T            |                     | +-            | ┪                 |              | ŀ    |       | 107        | _        |          | +                  | +-  | ╁            | ┿            | Н                   | $\dashv$ |
|              | 8          | -  |  |          | T   | T        | $\neg$  |                 |       |       | 58       | $\top$   | 十                       | T            | $\Box$              | $\dashv$      | 11                | <b>-1</b> !! |      |       | 108        |          | 寸        |                    | +   | 十            | T            | Н                   | $\dashv$ |
|              | 9          | 1  |  |          |   | T        |         | П               |       |       | 59       | $\Box$   | T                       | П            | П                   | _             | 1                 | -            |      |       | 109        | $\Box$   | 十        | ┪                  | 1   | ✝            | T            | М                   | $\neg$   |
|              | 10         | 1  |  |          |   |          | 1       |                 |       |       | 60       |          | T                       | П            |                     | $\neg \vdash$ | $\top$            |              |      |       | 110        |          | T        | $\top$             | 1   | ┰            | T            | П                   | $\neg$   |
|              | 11         | <b>V</b>   |  |          |   |          |         |                 |       |       | 61       |          | $\top$                  |              | П                   | $\neg \vdash$ | $\Box$            | 7            |      |       | 111        |          | $\neg$   | T                  | $\top$  | 1            | 1            | П                   | $\neg$   |
|              | 12         | -  |  |          |   | I        |         |                 |       |       | 62       |          | $\mathbf{I}$            |              |                     |               |                   |              |      |       | 112        |          | $\dashv$ | $\top$             | 1   |              | Т            | П                   |          |
|              | 13         | 1  |  |          |   |          |         |                 |       |       | 63       |          | $oldsymbol{\mathbb{T}}$ |              |                     |               |                   |              |      |       | 113        |          |          |                    | T   |              |              |                     |          |
|              | 14         | 1  |  |          |   | $\perp$  |         |                 |       |       | 64       |          |                         |              |                     |               |                   |              |      |       | 114        |          |          |                    |   |              |              |                     |          |
|              | 15         | 1  |  |          | $oldsymbol{\perp}$                                |          |         |                 |       |       | 65       |          | 工                       |              |                     |               |                   |              |      |       | 115        |          |          | Ι                  | $oxed{\mathbb{T}}$                                | $oxed{\Box}$ |              |                     |          |
|              | 16         | -  | $oldsymbol{ol}}}}}}}}}}}}}}}}$ |          |   |          |         |                 |       |       | 66       |          |                         |              | Ш                   |               |                   | _]:          |      |       | 116        |          | $\Box$   |                    | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ | $\perp$      |              |                     |          |
| <u></u>      | 17         |  | $\perp$  |          | $\perp$   |          |         | Ш               |       |       | 67       | $\perp$  |                         | L            | Ш                   |               |                   |              |      |       | 117        |          | $\perp$  |                    |   |              |              |                     |          |
| <u></u>      | 18         | <b>√</b>   |  | $\perp$  | 4   | _        | _ _     |                 |       |       | 68       |          |                         |              |                     |               | $\perp$           |              |      |       | 118        |          |          |                    |   | $\perp$      |              |                     |          |
|              | 19         | 1  |  |          | _   |          | $\perp$ | Ш               |       |       | 69       |          |                         |              |                     |               | $\perp$           |              |      |       | 119        |          |          |                    | $\perp$   |              |              |                     |          |
|              | 20         | 1  | 1  | $\perp$  | 4   |          |         | Щ               |       |       | 70       | $\perp$  | $\perp$                 | _            | Ш                   |               | 11                | _            |      |       | 120        |          | $\perp$  |                    | 丄   | ┸            |              |                     |          |
| <u></u>      | 21         | 7  | 1  |          | 4   | 4        |         | Щ               |       |       | 71       | _        | 4_                      | $\perp$      | $\sqcup$            | _             | $\perp$           |              |      |       | 121        |          | $\perp$  |                    |   | ┸            |              |                     |          |
|              | 22         | ٧  | +  | $\dashv$ | 4   |          | -       | $\sqcup$        |       |       | 72       | $\perp$  |                         |              | $\sqcup$            |               | $\perp$           |              |      |       | 122        |          | $\perp$  | _                  |   | $\perp$      | 丄            | Ш                   | _        |
| -            | 23         | 7  | $\bot$   | $\vdash$ | $\dashv$  | +        | -       | $\vdash$        |       |       | 73       |          | -                       | $\vdash$     | $\sqcup$            |               | +                 |              |      |       | 123        |          | $\dashv$ | _                  | -   | 1            | ↓_           | Щ                   | _        |
|              | 24<br>25   | 1  |  |          | +   | +        | +       | Н               |       |       | 74       | -        |                         | $\vdash$     | $\vdash \vdash$     |               | ╁╌┼               |              |      |       | 124        |          | -        | 4                  | -   | ↓_           | ╄            | Н                   |          |
| -            | 26         | 1  |  | -        | +   | +        | +       | Н               |       |       | 75       | -        | - -                     | ⊢            | $\vdash$            | -             | ╁┵                |              |      |       | 125        | $\dashv$ |          | 4                  | -   | -            | ╄            | Н                   |          |
| <u> </u>     | 27         | 1  | +  | -        | +   | +        | +-      | Н               |       |       | 76<br>77 |          |                         | -            | $\vdash$            |               | +                 | :            |      |       | 126        | $\dashv$ | 4        | +                  | +-  | +            | ┼            | Н                   | _        |
|              | 28         | <del> </del>                                     | +  | $\dashv$ | -+  |          | +       | Н               |       |       | 78       |          | +                       | $\vdash$     |                     | $\dashv$      | ++                | $\dashv$     | -    |       | 127<br>128 | $\dashv$ | +        | +                  | ╁   | +            | ╀            | Н                   | $\dashv$ |
| _            | 29         | 1  | +-   |          | $\dashv$  | -        | ╅       | Н               |       |       | 79       |          | +                       | $\vdash$     | $\vdash$            | -             | +                 |              | ŀ    |       | 129        | $\dashv$ | +        | +                  | +   | -            | ┼—           | $\vdash$            |          |
| <b>—</b> —   | 30         | 1  |  | $\dashv$ | -+  | +        | +       | H               |       |       | 80       | $\dashv$ | +-                      | $\vdash$     |                     | +             | 11                |              | ŀ    |       | 130        | $\dashv$ | +        | +                  | ┿   | ╁╌           | ╆            | Н                   |          |
|              | 31         | 1  | $\top$   | -        | $\top$  | +        |         | Н               |       |       | 81       | $\vdash$ | +                       | $\vdash$     | H                   | $\dashv$      | +++               | -            | ŀ    |       | 131        | +        | $\dashv$ | +                  | +-  | +            | ╁╌           | Н                   | $\dashv$ |
|              | 32         | <b>V</b>   | $\top$   |          | 十   | $\top$   | +       | Н               |       |       | 82       | $\dashv$ | $\top$                  | $\vdash$     | $\vdash$            | $\neg$        | 1 1               | -1           | ŀ    | -     | 132        | 一十       | +        | +                  | +   | +            | $\vdash$     | Н                   | $\dashv$ |
|              | 33         | 1  | 1  | $\dashv$ | 十   | $\top$   | $\top$  | П               |       |       | 83       | $\top$   |                         |              | $\sqcap$            |               | 1 1               |              | ŀ    |       | 133        | $\dashv$ | $\dashv$ | 十                  | +   | +            | $\vdash$     | H                   | $\dashv$ |
|              | 34         | 1  |  | 寸        | T   |          | $\top$  | П               |       |       | 84       |          |                         |              | $\sqcap$            | $\top$        | 11                | $\exists$    | ii t |       | 134        | $\dashv$ | $\top$   | $\top$             | +   | T            | $\vdash$     | $\vdash \vdash$     | $\dashv$ |
|              | 35         | 1  |  |          | _   |          |         |                 |       |       | 85       |          | T                       |              | $\Box$              | $\neg \vdash$ | $\Box$            | 7            | ľ    |       | 135        | $\dashv$ | $\top$   | $\neg$             | 1   | $\top$       | $\vdash$     | $\sqcap$            | $\neg$   |
|              | 36         | 1  |  |          | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ |          |         |                 |       |       | 86       |          | 1.                      |              |                     |               |                   |              | ij   |       | 136        | _        | 丁        |                    | $\top$  | 1            |              | П                   | $\neg$   |
|              | 37         |  |  | $\Box$   | $\Box$  |          |         |                 |       |       | 87       |          | Ι                       |              |                     |               |                   |              |      |       | 137        |          | 丁        |                    |   |              |              |                     |          |
|              | 38         |  | $\Box$   | $\bot$   | $\perp$   | $\perp$  |         |                 |       |       | 88       |          | $oxed{\Box}$            |              |                     |               | $\Box$            |              |      |       | 138        |          |          | $oldsymbol{\perp}$ |   |              |              |                     |          |
|              | 39         | $\perp \perp$                                    | <b>↓</b>   |          | $\perp$   | 4        | $\perp$ | Ш               |       |       | 89       |          | $\perp$                 | $\square$    |                     |               |                   | _            | [    |       | 139        | $\Box$   | $\Box$   |                    | $\perp$   |              |              |                     |          |
| <u></u>      | 40         | _ _  | $\perp \perp$  |          | 4   | $\perp$  | $\perp$ |                 |       |       | 90       |          | 1_                      | Ш            | Ш                   |               | $\perp$           | _            |      |       | 140        | $\bot$   | $\perp$  |                    | $oxedsymbol{oxedsymbol{oxedsymbol{oxed}}}$        |              | $\Box$       |                     | _]       |
| <u> </u>     | 41         |  | +  |          | 4   | <u> </u> | +       | Щ               |       |       | 91       | _ _      | _                       | Ш            | $\sqcup$            |               | $\sqcup$          |              |      |       | 141        | $\perp$  | $\perp$  | 1                  | $\perp$   | _            | <u> </u>     | $\sqcup$            | _        |
| <u></u>      | 42         |  | +  |          | +   | -        | +       |                 |       |       | 92       | _ _      | $\bot$                  | $\vdash$     | $\sqcup$            |               | $\bot \downarrow$ | _ ∷          | 1    |       | 142        | _        | 4        | $\perp$            | _   | 1_           | $oxed{oxed}$ | Ш                   |          |
| <u> </u>     | 43         |  | +  | $\dashv$ | $\dashv$  | 4        | +       |                 |       |       | 93       | -        | $\bot$                  | $\sqcup$     | $\sqcup$            | $\dashv$      | +                 | _            | ii.  |       | 143        | _        | 4        | 4                  | $\perp$   | $\perp$      | $\sqcup$     | Ш                   | _        |
|              | 44         | _  | +  | +        | +   | 4        | +       | $\square$       |       |       | 94       | +        | +                       | Н            | $\vdash \downarrow$ | _             | +                 | - ∷          | #    |       | 144        | $\dashv$ | _ _      | $\bot$             | +   | 1_           | $\vdash$     | Щ                   | _        |
| <del> </del> | 45         |  | +  |          | +   |          | +       | $\square$       |       |       | 95       | +        | +-                      | Н            | $\vdash \downarrow$ |               | +                 | -            | ij.  |       | 145        | 4        | 4        | $\perp$            | +-  | $\perp$      | $\vdash$     | $\sqcup$            | _        |
|              | 46<br>47   | +  | +  | +-       | +   | +        | +       | $\vdash \vdash$ |       |       | 96       | +        | +                       | Н            | $\vdash \downarrow$ |               | +                 | -            | -    |       | 146        | -        | 4        | _                  | +-  | +            | $\vdash$     | $\sqcup$            | _        |
|              | 48         | $\dashv$   | ╂╾┥  | +        | +   | +        | +       | H               |       |       | 97<br>98 | -+       | ┿                       | $\vdash$     | $\vdash \downarrow$ | -             | +-+               |              | ⊪    |       | 147        | $\dashv$ | -        | +                  | +-  | +            | $\vdash$     | $\sqcup$            | _        |
| H-           | 49         | $\dashv$   | +-   | $\dashv$ | +   | +        | +       | H               |       |       | 98       | +        | +                       | $\vdash$     | $\vdash \downarrow$ |               | +                 |              | -    |       | 148        | +        |          | -                  | +   | +            | $\vdash$     | $\vdash \downarrow$ | _        |
|              | 50         | $\dashv$   | +-1  | $\dashv$ | +   | +        | ╅┤      | $\dashv$        |       |       | 100      | +        | +                       | $\vdash$     | $\dashv$            | +             | ╁┼┼               | $\dashv$     | ⊪    |       | 149        | 4        | +        | +                  | +   | $\perp$      | H            | $\sqcup$            | $\dashv$ |
| Ц.           | 30_        |  | لــــــــــــــــــــــــــــــــــــــ  |          |   |          |         | السا            | ::::[ |       | 100      |          |                         | Щ            |                     |               |                   | ::           | ٠٠:L |       | 150        |          | L        |                    |   |              | L            |                     | \        |